

Sistemi sensoriali ed organi di senso - Modulo 3

Lesson 1 – January 18th 2022

Teachers: Prof. Concetta Morrone e Paola Binda

Macroarea: physiology

Topic: oscillatory brain processes

Plan:

- general introduction
- presentation of the paper: <https://www.pnas.org/content/116/46/23317>
- group discussion
- hands-on activity *

Lesson 2 – February 3rd 2022

Teachers: Prof. Concetta Morrone e Paola Binda

Macroarea: physiology

Topic: Bayes' optimal integration of a priori information (encoded in oscillatory brain activity) with sensory evidence

Plan:

- hands-on activity *
- general introduction
- presentation of the paper: <https://www.nature.com/articles/s41593-021-00839-z>
- group discussion

* Inspired by the group discussion, students have formed small groups to elaborate the abstract of a research project (e.g. funding request). Each group assumed that the data in the first paper were their own preliminary data, upon which they built a funding request developing a project in their own field of study. Abstract (anonymized) were then shared among attendants and shortlisted after an (anonymized) vote by all students in the class.